th•mann

LED Music Stand Light Pro

music stand light

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MUSIC IS OUR PASSION

user manual

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1 General information

This manual contains important instructions for the safe operation of the unit. Read and follow the safety instructions and all other instructions. Keep the manual for future reference. Make sure that it is available to all those using the device. If you sell the unit please make sure that the buyer also receives this manual.

Our products are subject to a process of continuous development. Thus, they are subject to change.

1.1 Further information

On our website (*www.thomann.de)* you will find lots of further information and details on the following points:

Download	This manual is also available as PDF file for you to download.
Keyword search	Use the search function in the electronic version to find the topics of interest for you quickly.
Online guides	Our online guides provide detailed information on technical basics and terms.
Personal consultation	For personal consultation please contact our technical hotline.
Service	If you have any problems with the device the customer service will gladly assist you.

1.2 Notational conventions

This manual uses the following notational conventions:

Letterings

The letterings for connectors and controls are marked by square brackets and italics.

Examples: *[VOLUME]* control, *[Mono]* button.

Displays

Texts and values displayed on the device are marked by quotation marks and italics.

Examples: *'24ch'*, *'OFF'*.

Cross-references

References to other locations in this manual are identified by an arrow and the specified page number. In the electronic version of the manual, you can click the cross-reference to jump to the specified location.

Example: See *'Cross-references' on page 7*.

1.3 Symbols and signal words

In this section you will find an overview of the meaning of symbols and signal words that are used in this manual.

Signal word	Meaning
DANGER!	This combination of symbol and signal word indicates an immediate dangerous situation that will result in death or serious injury if it is not avoided.
WARNING!	This combination of symbol and signal word indicates a possible dangerous situation that can result in death or serious injury if it is not avoided.
NOTICE!	This combination of symbol and signal word indicates a possible dangerous situation that can result in material and environmental damage if it is not avoided.

Warning signs	Type of danger
	Warning – danger zone.

2 Safety instructions

Intended use

This device is intended to illuminate music stands. Use the device only as described in this user manual. Any other use or use under other operating conditions is considered to be improper and may result in personal injury or property damage. No liability will be assumed for damages resulting from improper use.

This device may be used only by persons with sufficient physical, sensorial, and intellectual abilities and having corresponding knowledge and experience. Other persons may use this device only if they are supervised or instructed by a person who is responsible for their safety.

Safety

DANGER!

Danger for children

Ensure that plastic bags, packaging, etc. are disposed of properly and are not within reach of babies and young children. Choking hazard!

Ensure that children do not detach any small parts (e.g. knobs or the like) from the unit. They could swallow the pieces and choke!

Never let children unattended use electrical devices.

WARNING!

Eye damage caused by high light intensity

Never look directly into the light source.

NOTICE!

Operating conditions

This device has been designed for indoor use only. To prevent damage, never expose the device to any liquid or moisture. Avoid direct sunlight, heavy dirt, and strong vibrations.

NOTICE!

External power supply

The device is powered by an external power supply. Before connecting the external power supply, ensure that the input voltage (AC outlet) matches the voltage rating of the device and that the AC outlet is protected by a residual current circuit breaker. Failure to do so could result in damage to the device and possibly the user.

Unplug the external power supply before electrical storms occur and when the device is unused for long periods of time to reduce the risk of electric shock or fire.

3 Features

This LED lamp is ideal for professional lighting tasks on music stands.

The device is characterized by:

- 50 cm wide lamp head
- Even illumination with flicker free light
- Dimmer function
- Colour temperature of approx. 2700 K - 5200 K adjustable directly on the lamp
- DMX controllable
- Flexible double-gooseneck
- Built-in rechargeable battery for approx. 3.5 operating hours (maximum)
- Low power consumption
- Shock-proof
- Incl. power supply with Euro plug
- Black metal housing

4 Installation

Unpack and carefully check that there is no transportation damage before using the unit. Keep the equipment packaging. To fully protect the device against vibration, dust and moisture during transportation or storage use the original packaging or your own packaging material suitable for transport or storage, respectively.

NOTICE!

Possible data transmission errors

For error-free operation make use of dedicated DMX cables and do not use ordinary microphone cables.

Never connect the DMX input or output to audio devices such as mixers or amplifiers.

Mounting the lamp

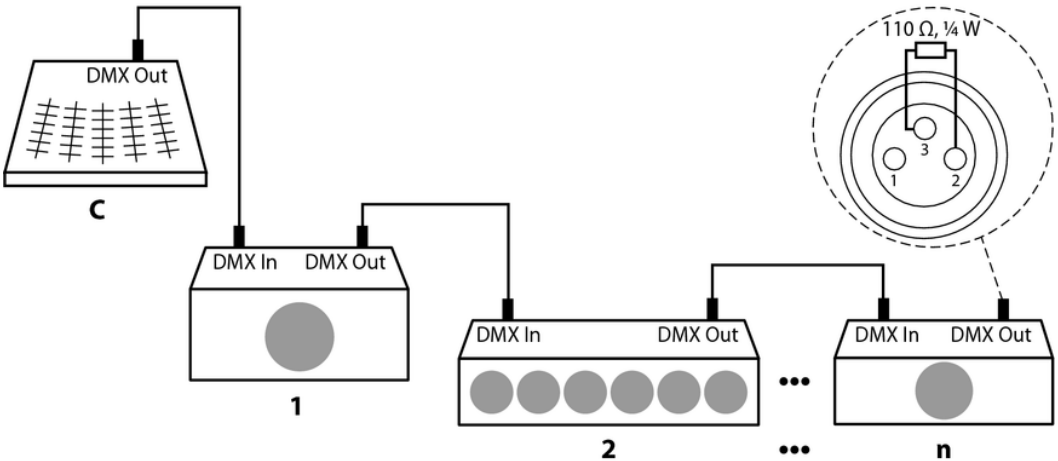
If required, loosen the thumbscrews to lock the music stand lamp so far that the surface on which you want to clamp the lamp, fits between clamping panel and jaws. Then put the lamp on this surface and tighten the thumbscrews again until the lamp stays securely in place.

5 Starting up

Establish all connections as long as the unit is switched off. Use the shortest possible high-quality cables for all connections.

Connections in DMX mode

Connect the DMX input of the device to the DMX output of a DMX controller or another DMX device. Connect the output of the first DMX device to the input of the second one, and so on to form a daisy chain. Always ensure that the output of the last DMX device in the daisy chain is terminated with a resistor (110 Ω, ¼ W).

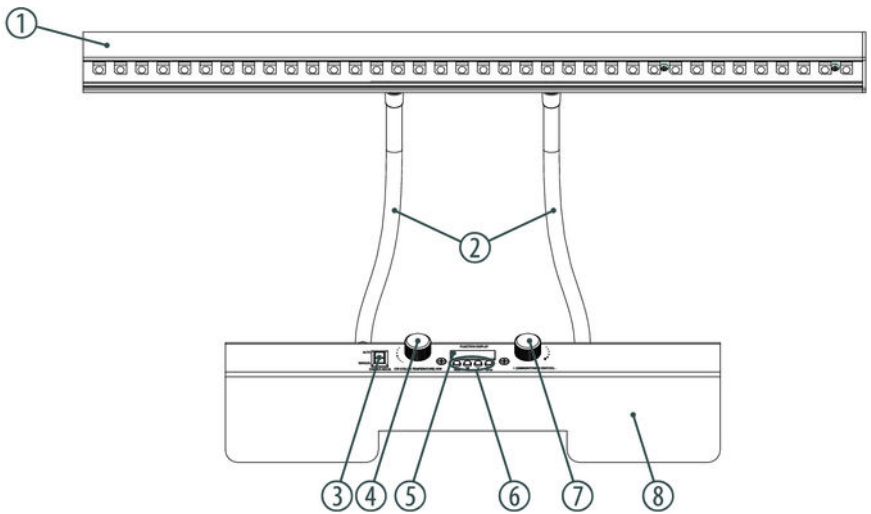


Connections in master/slave mode

When you configure a group of devices in master/slave mode, the first unit will control the other units for an automatic, sound-activated, synchronized show. This function is ideal when you want to start a show immediately. Connect the DMX output of the master device to the DMX input of the first slave device. Then connect the DMX output of the first slave device to the DMX input of the second slave device and so on.

6 Connections and operating elements

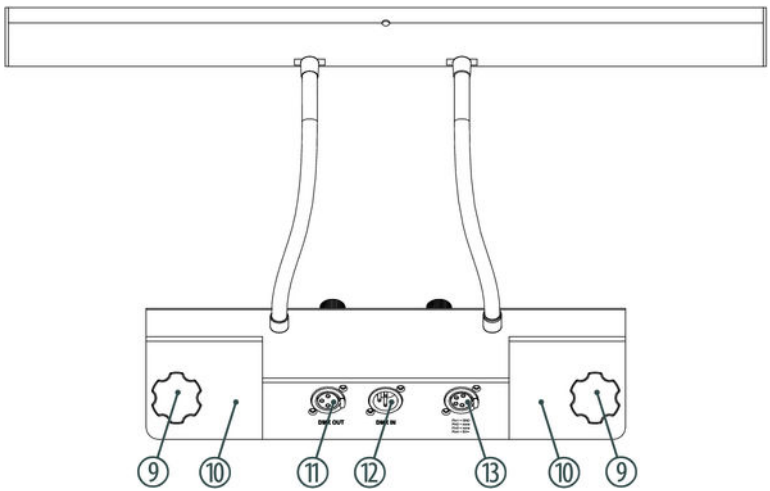
Front panel



1	Lamp head
2	Flexible double-gooseneck Keeps the lamp head in the desired orientation.
3	*[DIMMER MODE]* Toggles the brightness control between DMX control (AUTO) and local control (MANUAL).
4	*[CW (COLOR TEMPERATURE) WW]* Controls the colour temperature. Left-hand stop: warm white, right-hand stop: cold white.
5	*[FUNCTION DISPLAY]* Display area for device functions.

6	*[MENU]* | ▼ | ▲ | *[ENTER]* MENU: calls the settings menu. ▼: scrolls down in menus; decreases the displayed value by one. ▲: scrolls up in menus; increases the displayed value by one. ENTER: confirms the displayed option or value.
7	*[DIMMER / POWER SWITCH]* Controls the brightness of the lamp head in manual mode; turns the device on / off.
8	Clamping panel, to clamp the device to the music stand.

Rear panel



9	Thumb screws for locking the music stand lamp.
10	Clamping jaws, to clamp the device to the music stand.
11	DMX OUT DMX output to feed the DMX signal to the next device in the DMX chain.
12	DMX IN DMX input for the DMX controlled brightness control.
13	9V ⎓ Connector for power supply via included mains adapter.

7 Operating

7.1 Starting the device in mains operation

Connect the cable of the mains adapter to the 9V ⎓ socket on the rear panel of the device. Then connect the mains adapter to a power outlet. Rotate the control *[+(DIMMER / POWER SWITCH)-]* clockwise past the resistance to turn the device on. The device is then ready for use.

- *When turning on the device in manual mode (switch [DIMMER MODE] is in MANUAL position), 'HANd' lights in the display. Colour temperature and brightness can then be adjusted using the two rotary controls.*
- *When turning on the device in auto mode (switch [DIMMER MODE] is in AUTO position), 'Auto' lights in the display. You can then only adjust the colour temperature using the [CW (COLOR TEMPERATURE) WW] control, but not the brightness.*

If you want to control the brightness yourself the switch *[DIMMER MODE]* must be in MANUAL position. Otherwise the brightness is adjusted via DMX control. Rotate the control *[+(DIMMER / POWER SWITCH)-]* clockwise to increase the brightness. Turn it counter-clockwise to decrease the brightness.

Align the lamp head as desired. Then rotate the control *[CW (COLOR TEMPERATURE) WW]* to adjust a comfortable colour temperature between 'cold white' (right-hand stop) and 'warm white' (left-hand stop).

7.2 Starting the device in battery operation

If there is no mains power available on site, you can also power the device using the built-in rechargeable battery. For this, the battery needs to be charged before. Connect the cable of the mains adapter to the 9V socket on the rear panel of the device. Then connect the mains adapter to a power outlet. Charging starts. A full charge takes about 2.5 hours and is sufficient for about 3.5 operating hours.

– *During charging, the lighting may be switched on or off. With the lights on, the charging time may increase.*

After charging is complete, rotate the control *[+(DIMMER / POWER SWITCH)-]* clockwise past the resistance to turn the device on. The device is then ready for use.

If you want to control the brightness yourself the switch *[DIMMER MODE]* must be in MANUAL position. Otherwise the brightness is adjusted via DMX control. Rotate the control *[+(DIMMER / POWER SWITCH)-]* clockwise to increase the brightness. Turn it counter-clockwise to decrease the brightness.

Align the lamp head as desired. Then rotate the control *[CW (COLOR TEMPERATURE) WW]* to adjust a comfortable colour temperature between 'cold white' (right-hand stop) and 'warm white' (left-hand stop).

7.3 Main menu

Press *[MENU]* to activate the main menu. Press this button repeatedly to display the respectively following menu item, or use ▲ / ▼ to switch between menu items. Press *[ENTER]* to call the displayed function. Use ▲ and ▼ to change the respectively displayed value. When the display shows the desired value press *[ENTER]*.

10 seconds after you have changed settings they are automatically saved. If you don't press any button for about 25 seconds the device returns to the display of the remaining battery capacity. After another 70 seconds, the display turns off. The set values are retained even when the device is disconnected from the mains power supply.

DMX address

Press *[MENU]* repeatedly, until the display shows *'Addr'* and confirm with *'ENTER'*. Now you can set the number of the first DMX channel to be used by the device (DMX address). Use ▲ and ▼ to select a value between 1 and 512 (display shows *'A001'* … *'A512'*).

When the display shows the desired value, press *[ENTER]* to confirm the selection.

Setting brightness and colour temperature manually

Press *[MENU]* repeatedly until the display shows *'HANd'* or *'Auto'*. What is displayed depends on the position of the *[DIMMER MODE]* switch.

- *'HANd'*: Colour temperature and brightness can be adjusted manually via rotary controls *[CW (COLOR TEMPERATURE) WW]* and *[+(DIMMER / POWER SWITCH)-]* .
- *'Auto'*: Manual control of colour temperature via rotary control *[CW (COLOR TEMPERATURE) WW]* available. Brightness is set via DMX control.

Slave mode

Press *[MENU]* repeatedly until the display shows *'SLAU'*. Now confirm with *'ENTER'* to set the device in Slave mode. *'SLA'* is flashing in the display. The device is now DMX controlled by another device configured as 'Master'.

Dimmer mode

Press *[MENU]* repeatedly until the display shows '*dIM*'. Press *'ENTER'* to subsequently use ▲ / ▼ to switch the Dimmer mode on or off. When the dimmer mode is enabled, the inputs for brightness and colour temperature via the rotary controls will be executed with a slight delay, when the dimmer mode is off, the inputs are executed directly.

ID assignment

Press *[MENU]* repeatedly until the display shows *'Id'* and confirm with *'ENTER'*. Now you can use ▲ and ▼ to assign the desired ID number for DMX operation between *'1'* … *'66'* to the device. You should also read the chapter *Chapter 7.5 'Functions in 6 channel DMX mode' on page 31*. Or select *'off'* when the unit is not to be controlled by DMX.

This setting is only relevant for DMX operation.

Colour test cold / warm white

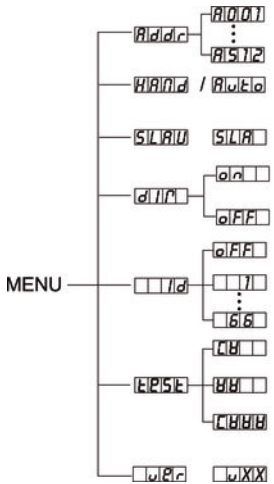
Press *[MENU]* repeatedly until the display shows '*tESt*' and confirm with *'ENTER'*. With this function, you can specify an illumination that can no longer be adjusted using the rotary controls. This may be useful to prevent accidental changes to the illumination settings.

Use ▲ and ▼ to select the setting '*CW*' (activates the cold white LEDs), '*WW*' (activates the warm white LEDs) or '*CWWW*' (activates both cold and warm white LEDs). Use the *'+(DIMMER / POWER SWITCH)-'* control to adjust the desired brightness and press *'ENTER'* to save this setting. Now you can no longer change the illumination using the rotary controls, until you press *[MENU]* again.

Showing software version

Press *[MENU]* repeatedly until the display shows *'uEr'* and confirm with *'ENTER'*. Press *[ENTER]* to display the software version used by the device.

7.4 Menu overview



7.5 Functions in 6 channel DMX mode

DMX channel	Value	Function	
1	0 – 255	0	Off
		1 – 250	Master Dimmer
2	0 – 255	Setting cold white LEDs from low to high	
3	0 – 255	Setting warm white LEDs from low to high	
4		0 – 1	No function (default)
		2 – 240	Setting colour temperature of LEDs
		241 – 255	Optical sensors for 'Auto dimmer'

DMX channel	Value	Function							
5	0 – 255	0 – 255	Setting colour temperature, when 'Optical sensors' is selected for channel 4						
6	0 – 255	0 – 9	All IDs	170 – 179	ID 17	223	ID 34	240	ID 51
		10 – 19	ID 1	180 – 189	ID 18	224	ID 35	241	ID 52
		20 – 29	ID 2	190 – 199	ID 19	225	ID 36	242	ID 53
		30 – 39	ID 3	200 – 209	ID 20	226	ID 37	243	ID 54
		40 – 49	ID 4	210	ID 21	227	ID 38	244	ID 55
		50 – 59	ID 5	211	ID 22	228	ID 39	245	ID 56
		60 – 69	ID 6	212	ID 23	229	ID 40	246	ID 57
		70 – 79	ID 7	213	ID 24	230	ID 41	247	ID 58
		80 – 89	ID 8	214	ID 25	231	ID 42	248	ID 59
		90 – 99	ID 9	215	ID26	232	ID 43	249	ID 60
		100 – 109	ID 10	216	ID27	233	ID 44	250	ID 61
		110 – 119	ID 11	217	ID 28	234	ID 45	251	ID 62

DMX channel	Value	Function							
		120 – 129	ID 12	218	ID 29	235	ID 46	252	ID 63
		130 – 139	ID 13	219	ID 30	236	ID 47	253	ID 64
		140 – 149	ID14	220	ID 31	237	ID 48	254	ID 65
		150 – 159	ID 15	221	ID 32	238	ID 49	255	ID 66
		160 – 169	ID 16	222	ID 33	239	ID 50		

8 Technical specifications

LEDs	18 × warm white, 18 × cold white
Dispersion angle	approx. 45 °
Number of DMX channels	6
Colour temperature	approx. 2700 K – 5200 K
Operating voltage supply	DC 9 V ⎓, 2 A
Power consumption	15 W
Permitted ambient temperature	0 ° C – 40 ° C
Protection class	IP20
Dimensions (W × D × H)	500 mm × 162 mm × 283 mm
Weight	2.1 kg

9 Plug and connection assignments

Introduction

This chapter will help you select the right cables and plugs to connect your valuable equipment so that a perfect light experience is guaranteed.

Please take our tips, because especially in 'Sound & Light' caution is indicated: Even if a plug fits into a socket, the result of an incorrect connection may be a destroyed DMX controller, a short circuit or 'just' a not working light show!

DMX connections

The unit offers a 3-pin XLR socket for DMX output and a 3-pin XLR plug for DMX input. Please refer to the drawing and table below for the pin assignment of a suitable XLR plug.

Pin	Configuration
1	Ground, shielding
2	Signal inverted (DMX–, 'cold signal')
3	Signal (DMX+, 'hot signal')

10 Protecting the environment

Disposal of the packaging material

For the transport and protective packaging, environmentally friendly materials have been chosen that can be supplied to normal recycling.

Ensure that plastic bags, packaging, etc. are properly disposed of.

Do not just dispose of these materials with your normal household waste, but make sure that they are collected for recycling. Please follow the notes and markings on the packaging.

Disposal of your old device

This product is subject to the European Waste Electrical and Electronic Equipment Directive (WEEE). Do not dispose with your normal household waste.

Dispose of this device through an approved waste disposal firm or through your local waste facility. When discarding the device, comply with the rules and regulations that apply in your country. If in doubt, consult your local waste disposal facility.

11 Troubleshooting

NOTICE!

Possible data transmission errors

For error-free operation make use of dedicated DMX cables and do not use ordinary microphone cables.

Never connect the DMX input or output to audio devices such as mixers or amplifiers.

In the following we list a few common problems that may occur during operation. We give you some suggestions for easy troubleshooting:

Symptom	Remedy
The unit does not work, no light.	Check the mains connection and the fuse.
No response to the DMX controller.	1. Check the DMX ports and cables for proper connection.
	2. Check the address settings and the DMX polarity.
	3. Try using another DMX controller.
	4. Check to see if the DMX cables run near or alongside to high voltage cables that may cause damage or interference to DMX interface circuits.

If the procedures recommended above do not succeed, please contact our Service Center. You can find the contact information at *www.thomann.de*.

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